

# INTRA-FIELD INTERPOLATION METHOD AND APPARATUS

## Abstract

An intra-field interpolation method and apparatus for generating a target pixel value. The method includes the following steps of: receiving a plurality of pixel values of an image field; generating a first pixel difference set from the received pixel values using a first pixel difference algorithm; generating a second pixel difference set from the received pixel values using a second pixel difference algorithm; and blending the received pixel values according to the first pixel difference set and the second pixel difference set, to generate the target pixel value.